

Junhui Chen

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,197
citations

331670

21
h-index

377865

34
g-index

44
all docs

44
docs citations

44
times ranked

1223
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of alkaloids in <i>Coptis chinensis</i> Franch by accelerated solvent extraction combined with ultra performance liquid chromatographic analysis with photodiode array and tandem mass spectrometry detections. <i>Analytica Chimica Acta</i> , 2008, 613, 184-195.	5.4	159
2	Analysis of major alkaloids in <i>Rhizoma coptidis</i> by capillary electrophoresis-electrospray-time of flight mass spectrometry with different background electrolytes. <i>Electrophoresis</i> , 2008, 29, 2135-2147.	2.4	94
3	Separation and identification of water-soluble salvianolic acids from <i>Salvia miltiorrhiza</i> Bunge by high-speed counter-current chromatography and ESI-MS analysis. <i>Talanta</i> , 2006, 69, 172-179.	5.5	84
4	Simultaneous determination of neonicotinoids and fipronil and its metabolites in environmental water from coastal bay using disk-based solid-phase extraction and high-performance liquid chromatography-tandem mass spectrometry. <i>Chemosphere</i> , 2019, 234, 224-231.	8.2	63
5	Determination of four major saponins in the seeds of <i>Aesculus chinensis</i> Bunge using accelerated solvent extraction followed by high-performance liquid chromatography and electrospray-time of flight mass spectrometry. <i>Analytica Chimica Acta</i> , 2007, 596, 273-280.	5.4	49
6	Detection, occurrence and monthly variations of typical lipophilic marine toxins associated with diarrhetic shellfish poisoning in the coastal seawater of Qingdao City, China. <i>Chemosphere</i> , 2014, 111, 560-567.	8.2	49
7	Screening of lipophilic marine toxins in marine aquaculture environment using liquid chromatography-mass spectrometry. <i>Chemosphere</i> , 2017, 168, 32-40.	8.2	46
8	Cultivation of the benthic microalga <i>Prorocentrum lima</i> for the production of diarrhetic shellfish poisoning toxins in a vertical flat photobioreactor. <i>Bioresource Technology</i> , 2015, 179, 243-248.	9.6	43
9	Occurrence and distribution of marine natural organic pollutants: Lipophilic marine algal toxins in the Yellow Sea and the Bohai Sea, China. <i>Science of the Total Environment</i> , 2018, 612, 931-939.	8.0	37
10	Determination of typical lipophilic marine toxins in marine sediments from three coastal bays of China using liquid chromatography-tandem mass spectrometry after accelerated solvent extraction. <i>Marine Pollution Bulletin</i> , 2015, 101, 954-960.	5.0	35
11	GC-MS fingerprints for discrimination of <i>Ligusticum chuanxiong</i> from <i>Angelica</i> . <i>Journal of Separation Science</i> , 2008, 31, 3231-3237.	2.5	33
12	Quality control method for commercially available wild Jujube leaf tea based on HPLC characteristic fingerprint analysis of flavonoid compounds. <i>Journal of Separation Science</i> , 2014, 37, 45-52.	2.5	33
13	Simultaneous screening for lipophilic and hydrophilic toxins in marine harmful algae using a serially coupled reversed-phase and hydrophilic interaction liquid chromatography separation system with high-resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2016, 914, 117-126.	5.4	32
14	Simple determination of six groups of lipophilic marine algal toxins in seawater by automated on-line solid phase extraction coupled to liquid chromatography-tandem mass spectrometry. <i>Chemosphere</i> , 2021, 262, 128374.	8.2	30
15	Occurrence, distribution, source, and influencing factors of lipophilic marine algal toxins in Laizhou Bay, Bohai Sea, China. <i>Marine Pollution Bulletin</i> , 2020, 150, 110789.	5.0	28
16	Development of a quality evaluation system for <i>Panax quinquefolium</i> . L based on HPLC chromatographic fingerprinting of seven major ginsenosides. <i>Microchemical Journal</i> , 2007, 85, 201-208.	4.5	24
17	Profiling of Extracellular Toxins Associated with Diarrhetic Shellfish Poison in <i>Prorocentrum lima</i> Culture Medium by High-Performance Liquid Chromatography Coupled with Mass Spectrometry. <i>Toxins</i> , 2017, 9, 308.	3.4	24
18	Distribution, partitioning, and seasonal variation of lipophilic marine algal toxins in aquatic environments of a typical semi-closed mariculture bay. <i>Environmental Pollution</i> , 2019, 255, 113299.	7.5	24

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19	Simultaneous determination of eight neonicotinoid insecticides, fipronil and its three transformation products in sediments by continuous solvent extraction coupled with liquid chromatography-tandem mass spectrometry. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 110002.	6.0	24
20	Progress on the investigation and monitoring of marine phycotoxins in China. <i>Harmful Algae</i> , 2022, 111, 102152.	4.8	24
21	Multi-residue method for the confirmation of four avermectin residues in food products of animal origin by ultra-performance liquid chromatography-tandem mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2011, 28, 627-639.	2.3	23
22	Spatiotemporal variations, sources and health risk assessment of perfluoroalkyl substances in a temperate bay adjacent to metropolis, North China. <i>Environmental Pollution</i> , 2020, 265, 115011.	7.5	23
23	Simultaneous determination nucleosides in marine organisms using ultrasound-assisted extraction followed by hydrophilic interaction liquid chromatography-electrospray ionization time-of-flight mass spectrometry. <i>Journal of Separation Science</i> , 2011, 34, 2594-2601.	2.5	20
24	Rapid screening and identification of the antioxidants in <i>Hippocampus japonicus</i> Kaup by HPLC-ESI-TOF/MS and on-line ABTS free radical scavenging assay. <i>Journal of Separation Science</i> , 2010, 33, 672-677.	2.5	19
25	First determination of extracellular paralytic shellfish poisoning toxins in the culture medium of toxigenic dinoflagellates by HILIC-HRMS. <i>Ecotoxicology and Environmental Safety</i> , 2020, 204, 111042.	6.0	15
26	Fingerprint chromatogram analysis of <i>Pseudostellaria heterophylla</i> (Miq.) Pax root by high performance liquid chromatography. <i>Journal of Separation Science</i> , 2006, 29, 2197-2202.	2.5	14
27	Distribution Characteristics and Environmental Control Factors of Lipophilic Marine Algal Toxins in Changjiang Estuary and the Adjacent East China Sea. <i>Toxins</i> , 2019, 11, 596.	3.4	14
28	Spatial distribution, vertical profiles and transport of legacy and emerging per- and polyfluoroalkyl substances in the Indian Ocean. <i>Journal of Hazardous Materials</i> , 2022, 437, 129264.	12.4	14
29	Development of an impurity-profiling method for source identification of spilled benzene series compounds by gas chromatography with mass spectrometry: Toluene as a case study. <i>Journal of Separation Science</i> , 2015, 38, 3198-3204.	2.5	13
30	Pollution status, influencing factors and environmental risks of neonicotinoids, fipronil and its metabolites in a typical semi-closed bay in China. <i>Environmental Pollution</i> , 2021, 291, 118210.	7.5	13
31	Potent allelopathy and non-PSTs, non-spirolides toxicity of the dinoflagellate <i>Alexandrium leei</i> to phytoplankton, finfish and zooplankton observed from laboratory bioassays. <i>Science of the Total Environment</i> , 2021, 780, 146484.	8.0	12
32	Rising CO ₂ will increase toxicity of marine dinoflagellate <i>Alexandrium minutum</i> . <i>Journal of Hazardous Materials</i> , 2022, 431, 128627.	12.4	11
33	On-line screening of natural antioxidants and the antioxidant activity prediction for the extracts from flowers of <i>Chrysanthemum morifolium</i> ramat. <i>Journal of Ethnopharmacology</i> , 2022, 294, 115336.	4.1	11
34	Separation and purification of two minor typical diarrhetic shellfish poisoning toxins from harmful marine microalgae via combined liquid chromatography with mass spectrometric detection. <i>Journal of Separation Science</i> , 2017, 40, 2906-2913.	2.5	10
35	Immobilization of Cyclooxygenase-2 on Silica Gel Microspheres: Optimization and Characterization. <i>Molecules</i> , 2015, 20, 19971-19983.	3.8	9
36	Dereplication of Known Nucleobase and Nucleoside Compounds in Natural Product Extracts by Capillary Electrophoresis-High Resolution Mass Spectrometry. <i>Molecules</i> , 2015, 20, 5423-5437.	3.8	9

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37	Monitoring and warning of lipophilic marine algal toxins in mariculture zone based on toxin profiles of phytoplankton. <i>Ecotoxicology and Environmental Safety</i> , 2020, 197, 110647.	6.0	8
38	Rapid finding and quantification of the major antioxidant in water extracts of three marine drug organisms from China by online HPLC-DAD/MS-DPPH. <i>Natural Product Research</i> , 2012, 26, 873-877.	1.8	7
39	Aqueous photodegradation of okadaic acid and dinophysistoxin-1: Persistence, kinetics, photoproducts, pathways, and toxicity evaluation. <i>Science of the Total Environment</i> , 2020, 743, 140593.	8.0	6
40	Separation and Identification of Ergosta-4,6,8(14),22-tetraen-3-one from <i>Ganoderma atrum</i> by High-Speed Counter-Current Chromatography and Spectroscopic Methods. <i>Chromatographia</i> , 2008, 67, 999-1001.	1.3	3
41	Novel Non-paralytic Shellfish Toxin and Non-spirolide Toxicity to Finfish, Brine Shrimp, and Rotifer Observed in a Culture of the Dinoflagellate <i>Alexandrium insuetum</i> Isolated From the Coastal Water of China. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	3
42	Preparation and Characteristic Research of Immobilized Acetylcholinesterase. <i>Acta Chimica Sinica</i> , 2012, 70, 624.	1.4	1